

Ecotox Report for Case # P-18-0219

General

| | |
|--------------------------|-----------------------------------|
| Status 07/10/2018 | Report Status: Complete |
| Date: | CRSS Date: |
| SAT | SAT |
| Date: | Chair: |
| Consolidated N | Consolidated Set: |
| PMN: | |
| Ecotox | |
| Related Cases: | |
| Health Related | |
| Cases: | |
| Submitter: | |
| CAS Number: | |
| Chemical Name: | |
| Use: | |
| Trade Name: | |
| PV-max(kg/yr): | Ecotox Assessor: Kim, Anne |

Fate Summary Statement

| |
|-------------------|
| Fate |
| Summary |
| Statement: |

Physical Chemical Information

| | |
|--------------------------|--------------------------------|
| Molecular | |
| Weight: | |
| Wt% < 500: | Wt% < 1000: |
| Physical | |
| State - Neat: | |
| Melting Point: | Melting Point (est): |
| MP | |
| (EPI): | |
| Vapor Pressure: | Vapor Pressure (est): |
| VP | |
| (EPI): | |
| Water Solubility: | Water Solubility (est): |
| Water | |
| Solubility (EPI): | |
| Henry's Law:: | |

| | |
|-------------------------|-----------------------|
| Log Koc: | Log Koc (EPI): |
| Log Kow: | Log Kow (EPI): |
| Log Kow Comment: | |

SAT**Concern Level**

| |
|---|
| Ecotox 1 Rating (1): |
| Ecotox Rating Comment (1): |
| Ecotox Rating (2): |
| Ecotox Rating Comment (2): |
| Ecotox Route of Exposure: No releases to water |

Ecotox Comments

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|-------------------------------------|
| Exposure Based Review (Eco): |
| Ecotox Comments: |
| Exposure Based Testing: |

PBT Ratings

| Persistence | Bioaccumulation | Toxicity | Comments |
|-------------|-----------------|----------|----------|
| | | | |

Eco-Toxicity Comment:

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Fate Ratings

| | | | | | |
|---------------------------------------|----------------------|----------|----------|---------------------------|----------------|
| Removal in WWT/POTW (Overall): | | | | | |
| Condition | Rating Values | 1 | 2 | Rating Description | 3 |
| | | | | | 4 |
| | | | | | Comment |

| Removal in WWT/POTW (Overall): Condition | Rating Values | Rating Description | | | | Comment |
|---|------------------|--------------------|----------|----------|------------|---------|
| | | 1 | 2 | 3 | 4 | |
| Fish BCF: | | | | | | |
| Log Fish BCF: | | | | | | |
| WWT/POTW Sorption: | | Low | Moderate | Strong | V. Strong | |
| WWT/POTW Stripping: | | Extensive | Moderate | Low | Negligible | |
| Biodegradation Removal: | | Unknown | High | Moderate | Negligible | |
| Biodegradation Destruction: | | Unknown | Complete | Partial | — | |
| Aerobic Biodeg Ult: | | <= Days | Weeks | Months | > Months | |
| Aerobic Biodeg Prim: | | <= Days | Weeks | Months | > Months | |
| Anaerobic Biodeg Ult: | | <= Days | Weeks | Months | > Months | |
| Anaerobic Biodeg Prim: | | <= Days | Weeks | Months | > Months | |
| Hydrolysis (t1/2 at pH 7,25C) A: | | <= Minutes | Hours | Days | >= Months | |
| Hydrolysis (t1/2 at pH 7,25C) B: | | <= Minutes | Hours | Days | >= Months | |
| Sorption to Soils/Sediments: | | V. Strong | Strong | Moderate | Low | |
| Migration to Ground Water: | | Negligible | Slow | Moderate | Rapid | |
| Photolysis A, Direct: | | Negligible | Slow | Moderate | Rapid | |
| Photolysis B, Indirect: | | Negligible | Slow | Moderate | Rapid | |
| Atmospheric Ox A, OH: | | Negligible | Slow | Moderate | Rapid | |
| Atmospheric Ox B, O3: | | Negligible | Slow | Moderate | Rapid | |
| Bio Comments: | | | | | | |
| Fate Comments: | | | | | | |

Ecotoxicity Values

| Test organism | Test Type | Test Endpoint | Predicted | Experimental | Comments |
|--|-----------|---------------|-----------|--------------|----------|
| Fish | 96-h | LC50 | * | | |
| Daphnid | 48-h | LC50 | * | | |
| Green Algae | 96-h | EC50 | * | | |
| Fish | - | Chronic Value | * | | |
| Daphnid | - | Chronic Value | * | | |
| Green Algae | - | Chronic Value | * | | |
| Ecotox Value Predictions are based on SARs for nonionic polymers Comments: (insoluble); MW [REDACTED] with [REDACTED] <1000 [REDACTED] with an unknown MP (P); S = Reacts (M); effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150 mg/L as CaCO ₃ ; and TOC <2.0 mg/L. | | | | | |

Ecotox Factors

| Factors | Most Sensitive Endpoint | Assessment Factor | CoC | Comment |
|------------------------|-------------------------|-------------------|-----|---------|
| Acute Aquatic (ppb): | | 5 | * | |
| Chronic Aquatic (ppb): | | 10 | * | |

| Factors | Values | Comments |
|---------------|--|----------|
| SARs: | Nonionic Polymers | |
| SAR Class: | Nonionic polymers-insoluble-isocyanate | |
| TSCA | | |
| NCC Category? | None | |

Recommended Testing:

Ecotox Factors Environmental

Comments: Hazard: Environmental hazard is relevant to whether a new chemical substance is likely to present unreasonable risks because the significance of the risk is dependent upon both the hazard (or toxicity) of the chemical substance and the extent of exposure to the substance. EPA estimated environmental hazard of this new chemical substance using hazard data on analogous chemicals. Based on these estimated hazard values, EPA

concludes that this chemical substance has low environmental hazard.

- Substance does not fall within the TSCA New Chemicals Category.
- SAR chemical class of nonionic polymer-insoluble.
- PMN and LMW oligomer, low hazard based on no effects at saturation.

Comments/Telephone

Log

| Artifact | Update/Upload Time |
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